



Titanium Mill Products, Ingot, and Castings

U.S. Department of Commerce
BUREAU OF THE CENSUS



MARCH 1983

ITA991(83)-3

Issued June 1983

The statistics in this publication are based on a survey of manufacturers and represent total U.S. shipments of titanium mill products, ingot, and castings. Estimates are included for companies whose reports were not received in time for

tabulation. A description of the survey methodology and related information appears in the January 1983 report for this series, ITA-991(83)-1, issued May 1983.

Table 1. NET SHIPMENTS OF TITANIUM MILL PRODUCTS

Product	(Thousands of pounds)			
	March 1983	February 1983	January 1983	March 1982
Total.....	2,852	2,633	2,665	4,454
Sheet and strip.....	(2)	(2)	(2)	(2)
Plate.....				
Forging and extrusion billet.....	1,443	1,320	1,343	2,425
Rod and wire.....	262	235	230	444
Fastener stock and wire.....				93
Extrusion.....	2,147	2,978	2,092	2,167
Pipe and tubing.....				
Other.....				

¹Revised by 5 percent or more from previously published figures.

¹Net shipments, total, is the sum of mill product shipments plus mill products consumed in the manufacture of fabricated products, less total receipts. Net shipments for each mill product category also includes the consumption of mill products in that category in the manufacture of other mill products. Detail may not add to the total because of this difference in definition.

²Data for sheet and strip, plate, extrusion (other than tubing), pipe and tubing, and other have been combined to avoid disclosing individual company data.

Table 2. TITANIUM INGOT, MILL PRODUCTS, AND CASTINGS: 1981 TD 1983

Month and year	Ingot					Mill products			Castings	
	Pro- duc- tion	Con- sump- tion	Ship- ments	Receipts	Ending inventories	Pro- duc- tion	Receipts	Net ship- ments ¹	Pro- duc- tion	Ship- ments
1983										
March.....	4,122	4,162	1,121	1,189	5,017	2,846	198	2,852	100	55
February.....	3,698	3,580	977	939	5,020	2,418	224	2,413	104	61
January.....	3,544	3,988	921	892	4,938	2,651	168	2,665	83	34
1982										
Total.....	53,072	55,161	8,492	8,670	(X)	37,221	4,789	36,562	797	521
December.....	3,034	3,014	1,014	1,031	5,008	2,346	164	2,389	74	37
November.....	3,444	4,058	595	532	4,707	2,347	177	2,501	72	40
October.....	3,598	3,829	671	534	5,386	2,357	307	2,359	52	43
September.....	3,392	3,407	846	498	5,579	2,877	379	2,994	36	36
August.....	3,877	3,676	466	589	5,884	2,339	162	2,342	60	35
July.....	3,284	3,118	528	542	5,632	2,433	144	2,382	61	35
June.....	4,017	4,631	653	588	5,411	3,188	387	3,166	64	39
May.....	3,610	4,480	456	670	3,994	3,084	357	2,946	59	45
April.....	5,000	5,204	769	806	6,405	3,209	353	3,436	69	54
March.....	6,858	7,320	867	1,071	6,552	4,361	704	4,454	90	59
February.....	6,505	6,202	973	1,252	6,688	4,185	830	3,458	83	55
January.....	6,452	6,222	1,363	955	6,523	4,475	825	3,655	77	43
1981 ³	92,471	87,184	20,352	24,155	31,779	58,940	9,084	50,983	675	417

¹Revised by 5 percent or more from previously published figures. (X) Not applicable.

²See table 1 for more detailed data.

²Net shipments, total, is the sum of mill product shipments plus mill products consumed in the manufacture of fabricated products less total receipts. Net shipments for each mill product category also includes the consumption of mill products in that category in the manufacture of other mill products. Detail may not add to the total because of this difference in definition.

³Data are available in the 1981 summary issued April 1983.

Address inquiries concerning these figures to the U.S. Department of Commerce, Bureau of Industrial Economics, Materials Division, Washington, D.C. 20230, or to the Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Nathaniel Shelton, (301) 763-2529.

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Table 3. NET SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF TITANIUM MILL PRODUCTS: 1981 TO 1983

(Quantity in thousands of pounds; value in thousands of dollars)

Month and year	Manufacturers' net shipments (quantity)	Exports of domestic merchandise ^{1,2}			Percent exports to manufacturers' net shipments (quantity)	Imports for consumption ⁴		Apparent consumption ⁵ (quantity)	Percent imports to apparent consumption (quantity)
		Quantity	Value at port	Estimated producers' value ³		Quantity	Value ⁵		
MARCH 1983									
Total.....	1,977	385	5,312	5,169	10	169	1,581	3,761	4
Titanium ingot and forging and extrusion billet ⁷	2,564	229	3,024	2,943	9	7	88	2,342	(2)
Titanium mill products.....	1,413	156	2,288	2,226	11	162	1,493	1,419	11
FEBRUARY 1983									
Total	1,610	124	2,627	2,556	3	162	1,467	3,648	4
Titanium ingot and forging and extrusion billet.....	1,297	56	1,111	1,081	2	25	234	2,266	
Titanium mill products.....	1,313	68	1,516	1,475	5	137	1,233	1,382	10
JANUARY 1983									
Total.....	1,324	282	3,728	3,628	8	106	1,107	3,148	3
Titanium ingot and forging and extrusion billet.....	1,964	212	2,497	2,430	11	6	85	1,758	(2)
Titanium mill products.....	1,360	70	1,231	1,198	5	100	1,022	1,390	7
Titanium mill products.....									
1982									
Total.....	47,021	7,200	100,606	97,901	15	2,166	22,269	41,987	5
Titanium ingot and forging and extrusion billet ⁷	28,041	4,392	60,239	58,618	16	426	3,976	24,075	2
Titanium mill products.....	18,980	2,808	40,367	39,283	15	1,740	18,293	17,912	8
1981									
Total.....	74,873	12,098	159,454	155,165	16	2,719	27,234	65,496	4
Titanium ingot and forging and extrusion billet ⁷	47,513	8,405	105,647	102,805	18	488	5,221	39,598	1
Titanium mill products.....	27,360	3,693	53,807	52,360	13	2,231	22,013	25,898	9

¹Revised by 5 percent or more from previously published figures. ⁽²⁾ Less than one-half of 1 percent.

²For a comparison of Standard Industrial Classification (SIC) codes, Schedule 8 export numbers, and TSUSA import numbers, see table 4.

³Source: Bureau of the Census report EN 546, U.S. Exports.

⁴These values were derived by use of adjustment factors to exclude freight, insurance, and other charges incurred in moving goods to the port of export. This adjustment is used to convert the values to an approximation of producer value of exported goods. Current adjustment factors are based on data for 1971 which are published in *Official Manual of Manufactured Products (MBO/AS)*, appendix B. Comparable adjustment factors for earlier years are based on similar factors developed for 1971 and 1972. The current adjustment factor for this report is 0.9731.

⁵Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports.

⁶The value includes c.i.f. (cost, insurance, and freight) at the first port of entry in the United States plus U.S. import duties and other charges to the import point.

⁷Apparent consumption is derived by subtracting exports from the total of net shipments plus imports.

⁸Comparability of output, export, and import classifications for ingot and billet assume that blooms, sheet bar, and slab are reported as ingot or billet in the input numbers. Figures for imports of ingot and billet also include powder, crystal, and similar forms which are excluded from the output and export numbers.

